

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No. 10/669,951
 Filing Date September 24, 2003
 First Named Inventor Bogomir Gorenssek
 Art Unit 3733
 Examiner Pedro Philogene
 Attorney Docket No. INTRJN.012A

(Multiple sheets used when necessary)

SHEET 1 OF 7

MAY 26 2006

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
PP	1	3921632	11/25/1975	Bardani	
	2	4473070	09/25/1984	Matthews et al.	
	3	4665906	05/19/1987	Jervis	
	4	4772287	09/20/1988	Ray et al.	
	5	4904260	02/27/1990	Ray et al.	
	6	4904260	02/27/1990	Ray et al.	
	7	5047055	09/10/1991	Bao et al.	
	8	5061274	10/29/1991	Kensey	
	9	5100422	03/31/1992	Berguer et al.	
	10	5108420	04/28/1992	Marks	
	11	5116357	05/26/1992	Eberbach	
	12	5171280	12/15/1992	Baumgartner	
	13	5189789	03/02/1993	Hall	
	14	5192300	03/09/1993	Fowler	
	15	5192301	03/09/1993	Kamiya et al.	
	16	5192326	03/09/1993	Bao et al.	
	17	5201729	04/13/1993	Hertzmann et al.	
	18	5207649	05/04/1993	Aruny	
	19	5239982	08/31/1993	Trauthen	
	20	5292332	03/08/1994	Lee	
	21	5342394	08/30/1994	Matsuno et al.	
	22	5356432	10/18/1994	Rutkow et al.	
	23	5445639	08/29/1995	Kuslich et al.	
	24	5514130	05/07/1996	Baker	
	25	5522898	06/04/1996	Bao	
	26	5534028	07/02/1996	Bao et al.	
	27	5556429	09/17/1996	Felt	
	28	5562736	10/08/1996	Ray et al.	

Examiner Signature /Pedro Philogene/

Date Considered 08/10/2006

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/669,951
	Filing Date	September 24, 2003
	First Named Inventor	Bogomir Gorenssek
	Art Unit	3733
(Multiple sheets used when necessary)	Examiner	Pedro Philogene
SHEET 2 OF 7	Attorney Docket No.	INTRJN.012A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
PP	29	5591204	01/07/1997	Janzen et al.	
	30	5634936	06/03/1997	Linden et al.	
	31	5645597	07/08/1997	Krapiva	
	32	5674295	10/07/1997	Ray et al.	
	33	5690674	11/25/1997	Diaz	
	34	5702454	12/30/1997	Baumgartner	
	35	5705780	01/06/1998	Bao	
	36	5716408	02/10/1998	Eldridge et al.	
	37	5716416	02/10/1998	Lin	
	38	5743917	04/28/1998	Saxon	
	39	5746765	05/05/1998	Kleshinski et al.	
	40	5755797	05/26/1998	Baumgartner	
	41	5785705	07/28/1998	Baker	
	42	5800549	09/01/1998	Bao et al.	
	43	5824093	10/20/1998	Ray et al.	
	44	5846261	12/08/1998	Kotula et al.	
	45	5888220	03/30/1999	Felt et al.	
	46	5919235	07/09/1999	Husson et al.	
	47	5976174	11/02/1999	Ruiz	
	48	5976186	11/02/1999	Bao et al.	
	49	5980504	11/09/1999	Sharkey et al.	
	50	6019793	02/01/2000	Perren et al.	
	51	6024096	02/15/2000	Buckberg	
	52	6102930	08/15/2000	Simmons Jr.	
	53	6113639	09/05/2000	Ray et al.	
	54	6120539	09/19/2000	Eldridge et al.	
	55	6126682	10/03/2000	Sharkey et al.	
✓	56	6132465	10/17/2000	Ray et al.	

Examiner Signature /Pedro Philogene/

Date Considered 08/10/2006

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	10/669,951
	Filing Date	September 24, 2003
	First Named Inventor	Bogomir Gorenssek
	Art Unit	3733
SHEET 3 OF 7	Examiner	Pedro Philogene
	Attorney Docket No.	INTRIN.012A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
PP	57	6179836	01/30/2001	Eggers et al.	
	58	6190353	02/20/2001	Makower et al.	
	59	6224630	05/01/2001	Bao et al.	
	60	6224631	05/01/2001	Kohrs et al.	
	61	6231597	05/15/2001	Deem et al.	
	62	6245107	06/12/2001	Ferree	
	63	6264695	07/24/2001	Stoy	
	64	6280475	08/28/2001	Bao et al.	
	65	6371990	04/16/2002	Ferree	
	66	6402750	06/11/2002	Atkinson et al.	
	67	6419704	07/16/2002	Ferree	
	68	6428576	08/06/2002	Haldimann	
	69	6491690	12/10/2002	Goble et al.	
	70	6520967	02/18/2003	Cauthen	
	71	6579291	06/17/2003	Keith et al.	
	72	6592625	07/15/2003	Cauthen	
	73	6712853	03/30/2004	Kuslich	
	74	6719797	04/13/2004	Ferree	
	75	6726696	04/27/2004	Houser et al.	
	76	6783546	08/31/2004	Zucherman et al.	
	77	6805695	10/19/2004	Keith et al.	
	78	6821276	11/23/2004	Lambrecht et al.	
	79	6855166	02/15/2005	Kohrs	
	80	2001/004710	06/21/2001	Felt et al.	
	81	2002/0049498	04/25/2002	Yuksel et al.	
	82	2002/0111688	08/15/2002	Cauthen	
	83	2002/0120337	08/29/2002	Cauthen	
	84	2002/0123807	09/05/2002	Cauthen III	

Examiner Signature /Pedro Philogene/

Date Considered 08/10/2006

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.

MLO
5/24/06

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/669,951
	Filing Date	September 24, 2003
	First Named Inventor	Bogomir Gorenssek
	Art Unit	3733
(Multiple sheets used when necessary)	Examiner	Pedro Philogene
SHEET 4 OF 7	Attorney Docket No.	INTRJN.012A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
PP	85	2002/0147496	10/10/2002	Belef et al.	
	86	2002/0151980	10/17/2002	Cauthen	
	87	2002/0165542	11/07/2002	Ferree	
	88	2002/0189622	12/19/2002	Cauthen III et al.	
	89	2002/0198599	12/26/2002	Haldimann	
	90	2003/0004574	01/02/2003	Ferree	
	91	2003/0040796	02/27/2003	Ferree	
	92	2003/0074075	04/17/2003	Thomas Jr. et al.	
	93	2003/0074076	04/17/2003	Ferree et al.	
	94	2003/0078579	04/24/2003	Ferree	
	95	2003/0149438	08/07/2003	Nichols et al.	
	96	2004/0002764	01/01/2004	Gainor et al.	
	97	2004/0133229	07/08/2004	Lambrecht et al.	
	98	2004/0138673	07/15/2004	Lambrecht et al.	
	99	2005/0004578	01/06/2005	Lambrecht et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
PP	100	FR 2639823A1	06/08/1990	Alain Garcia		
	101	EP 0700671	03/13/1996	Bao et al.		
	102	EP 1091776	05/12/2004	Bao		
	103	EP 1180978	05/11/2005	Ferree		
	104	EP 1214026	04/06/2005	Lambrecht et al.		
	105	WO 95/26689	10/12/1995	Bao		
	106	WO 95/31946	11/30/1995	Milner et al.		
	107	WO 95/34331	12/21/1995	Gogolewski et al.		
	108	WO 97/26847	07/31/1997	Felt et al.		

Examiner Signature /Pedro Philogene/	Date Considered 08/10/2006
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.

MRD
5/26/06

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/669,951
	Filing Date	September 24, 2003
	First Named Inventor	Bogomir Gorenssek
	Art Unit	3733
(Multiple sheets used when necessary)	Examiner	Pedro Philogene
SHEET 5 OF 7	Attorney Docket No.	INTRJN.012A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
PP	109	WO 98/17190	04/30/1998	Sharkey et al.	0	
	110	WO 98/20939	05/22/1998	Felt et al.		
	111	WO 99/02108	01/21/1999	Wardlaw		
	112	WO 00/44288	08/03/2000	Fuss et al.		
	113	WO 00/62832	10/26/2000	Haldimann		
	114	WO 01/10316	02/15/2001	Ferree		
	115	WO 01/21246	03/29/2001	Matsuura et al.		
	116	WO 01/28464	04/26/2001	Cauthen		
	117	WO 01/28468	04/26/2001	Cauthen		
	118	WO 01/45577	06/28/2002	McKay		
	119	WO 02/058599	08/01/2002	Trieu		
	120	WO 02/067824	09/06/2002	Eisermann et al.		
	121	RU 96121354A	01/20/1999			✓
	122	RU 93031998A	11/20/1995			✓
	123	RU 2020901	10/15/1994			✓
	124	RU 2055544	03/10/1996			✓
	125	RU 2078551	05/10/1997			✓

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
PP	126	Bagga C.S., Williams P., Highma P.A., Bao B.Q. "Development of Fatigue Test Model for a Spinal Nucleus Prosthesis with Preliminary Results for a Hydrogel Spinal Prosthetic Nucleus." Proceedings of the 1997 Bioengineering Conference, 441-442: BED-Vol. 35, Sunriver, Oregon, June 11-15, 1997.	
PP	127	Bao Q.B., Bagga C.S., "The Dynamic Mechanical Analysis of Hydrogel Elastomers." Thermochemica Acta, 226:107-113 (1993).	
PP	128	Martz E.O., Goel V.K., Pope M.H., Park J.B. "Materials and Design of Spinal Implants - A Review." Journal of Biomedical Materials Research, Vol. 38, Issue 3:267-288 (1997).	
PP	129	Bao Q.B., McCullen G.M., Higham P.A., Dumbleton J.H., Yuan H.A. "The Artificial Disc: Theory, Design and Materials" Biomaterials, Vol. 17, No. 12:1157-1167 (1996).	

Examiner Signature /Pedro Philogene/	Date Considered 08/10/2006
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/669,951
	Filing Date	September 24, 2003
	First Named Inventor	Bogomir Gorenssek
	Art Unit	3733
(Multiple sheets used when necessary)	Examiner	Pedro Philogene
SHEET 6 OF 7	Attorney Docket No.	INTRJN.012A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
PP	130	Sakalkale D.P., Bhagia S.A., Slipman C.W. "A Historical Review and Current Perspective on the Intervertebral Disc Prosthesis." Pain Physician, Vol. 6, No. 2:1-4 (2003).	
PP	131	Lemaire J.P., Skalli W., Lavaste F., Templier A., Mendes, F., Diop A., Sauty V., Laloux E. "Intervertebral Disc Prosthesis." Clinical Orthopaedics and Related Research, No.337:64-76 (1997).	
PP	132	Langrana N.A., Parsons J.R., Lee C.K., Vuono-Hawkins M., Yang S.W., Alexander H. "Materials and Design Concepts for an Intervertebral Disc Spacer. I. Fiber-Reinforced Composite Design" Journal of Applied Biomaterials, Vol. 4:125-132 (1994).	
PP	133	Bao Q.B., Yuan H.A. "Artificial Disc Technology". Neurosurg Focus 9(4), 2000.	
PP	134	Hedman T.P., Kostuik J.P., Femie G.R., Hellier W.G. "Design of an Intervertebral Disc Prosthesis" Spine 16 (Suppl. 6):S256-S260 (1991).	
PP	135	Husson J.L., Scharer N., Le Nihouannen J.C., Freudiger S., Baumgartner W., Polard J.L. "Nucleoplasty During Discectomy Concept and Experimental Study." Rachis Vol. 9, No. 3:145-152 (1997).	✓
PP	136	Husson J.L., Baumgartner W., Le Huec J.C. "Nucléoplastie Inter-Somatique Par Voie Postérieure Per-Discectomie: Concept et Étude Expérimentale." Restablisation Inter-Somatique Due Rachis Lombar: 311-320 (1996).	✓
PP	137	Ray C.D., Schonmayr R., Kavanagh S.A., Assell R. "Prosthetic Disc Nucleus Implants." Riv. Neuroradiol 1999:12 (Suppl. 1):157-162.	
PP	138	Schonmayr R., Busch C., Lotz C., Lotz-Metz G. "Prosthetic Disc Nucleus Implants: The Wiesbaden Feasibility Study, 2 Years follow-up in Ten patients" Riv. Neuroradiol 1999:12 (Suppl. 1):163-170.	
PP	139	Zelentsov E.V. "Plastic Surgery with Collagen of Intervertebral Discs for Surgical Treatment of Lumbosacral Polyradiculitis." Abstract of a thesis, Leningrad, 1990.	✓
PP	140	USSR Author's Certificate No. 1477390 "Method for Treatment of Osteochondritis." Published May 17, 1989.	✓
PP	141	USSR Author's Certificate No. 1827204 "Method for Treatment of Spinal Osteochondritis." Published May 15, 1993.	✓
PP	142	Khelimsky et al. "Plastic Surgery of Damaged Intervertebral Discs with Fast-Solidifying Glue Composition (Experimental Research)." Collected articles Experimental Traumatic Surgery and Orthopaedics Moscow, 1990, pp. 88-90.	✓
PP	143	Sheljakin S. Ju. "Percutaneous Discectomy Skin-through Discectomy in Complex Treatment of Patients with Disc Lumbosacral Polyradiculitis." Abstract of a thesis, St. Petersburg, 1996.	✓
PP	144	Shul'man Kh.M. "Pathogenetic Therapy of Compression Type Osteochondritis of Spinal Lumbar Region." Collected articles Reconstruction-and-Restoration Treatment in Traumatic Surgery, Orthopaedics, Surgery and Neurosurgery, Kazan', 1976, pp. 17-21.	✓
PP	145	Shul'man Kh.M. "Surgical Treatment of Compression Type Osteochondritis of Spinal Lumbar Region with Intervertebral Disc Implantation." Kazan', 1980, pp. 174-185.	✓
PP	146	Shul'man Kh.M., Danilov V.I. "Biochemical Experimental Basis of Intervertebral Disc Prosthesis Implantation Method by Fast-solidifying Polyurethane CKYu-PFL in Case of Disc Degeneration or Traumatic Damage." Collected articles Reconstruction-and-Restoration Treatment in Traumatic Surgery, Orthopaedics, Surgery and Neurosurgery." Kazan', 1976, pp. 22-27.	✓

Examiner Signature /Pedro Philogene/	Date Considered 08/10/2006
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.

MED
SP26/06

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/669,951
	Filing Date	September 24, 2003
	First Named Inventor	Bogomir Gorenssek
	Art Unit	3733
(Multiple sheets used when necessary)	Examiner	Pedro Philogene
SHEET 7 OF 7	Attorney Docket No.	INTRJN.012A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
PP	147	Usmanov M.M. "Intervertebral Disc Changes at Local Damage of its Elements and Implantation of Various Materials." Abstract of a thesis Moscow, 1991.	✓
PP	148	Zelentsov E.V. et al. "Application of Collagen for Experimental Plastic Surgery of Intervertebral Discs." Collected articles Integrated Treating of Pain Syndromes of Neurogenic Origin, Leningrad 1984 pp. 86-90.	✓

2533096:pt
052306

Examiner Signature /Pedro Philogene/	Date Considered 08/10/2006
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T¹ - Place a check mark in this area when an English language Translation is attached. For Russian references, the English translation of the relevant section is provided.